

**Supplementary Materials:** The following are available online at [www.mdpi.com/2073-4360/11/7/1204/s1](http://www.mdpi.com/2073-4360/11/7/1204/s1).

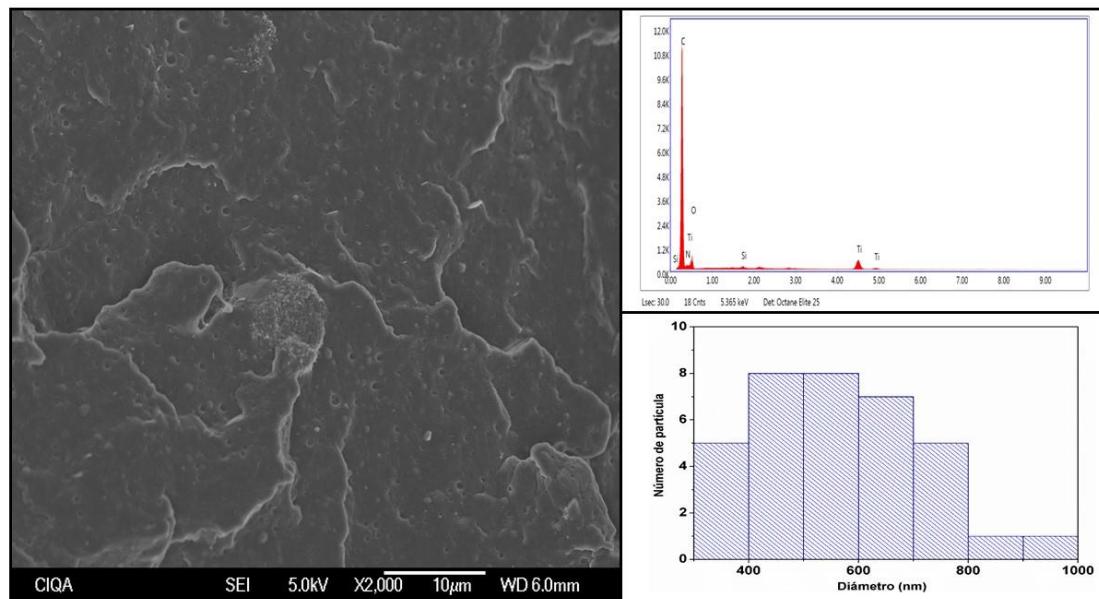


Figure S1. Morphology nanocomposite PP-TiO<sub>2</sub>/CNT-1 analyzed by SEM, histogram of TiO<sub>2</sub> particle.

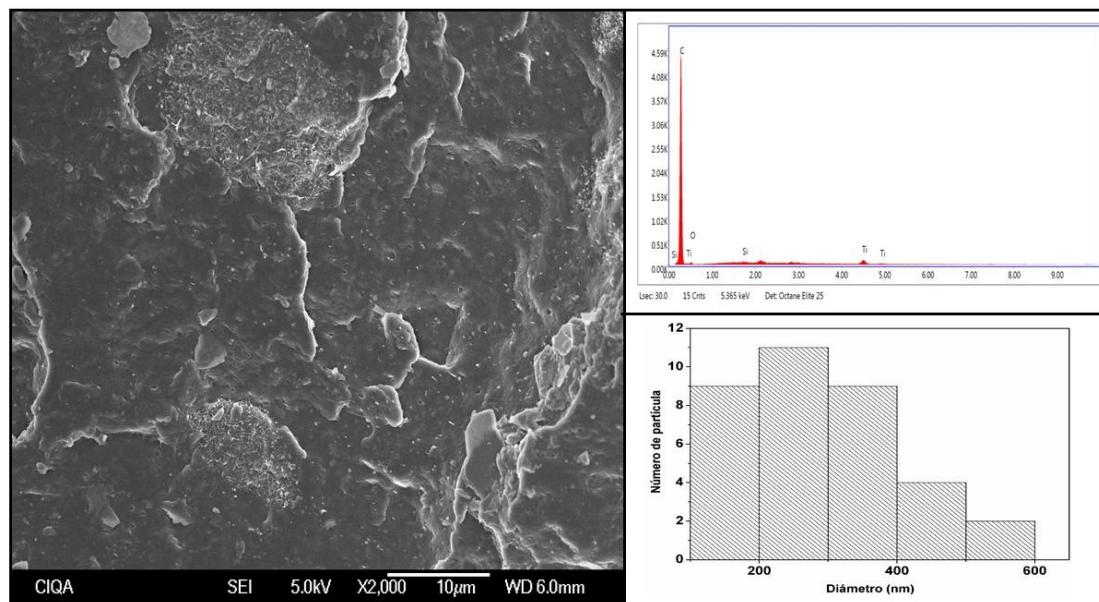


Figure S2. Morphology nanocomposite PP-TiO<sub>2</sub>/CNT-5 analyzed by SEM, histogram of TiO<sub>2</sub> particle.

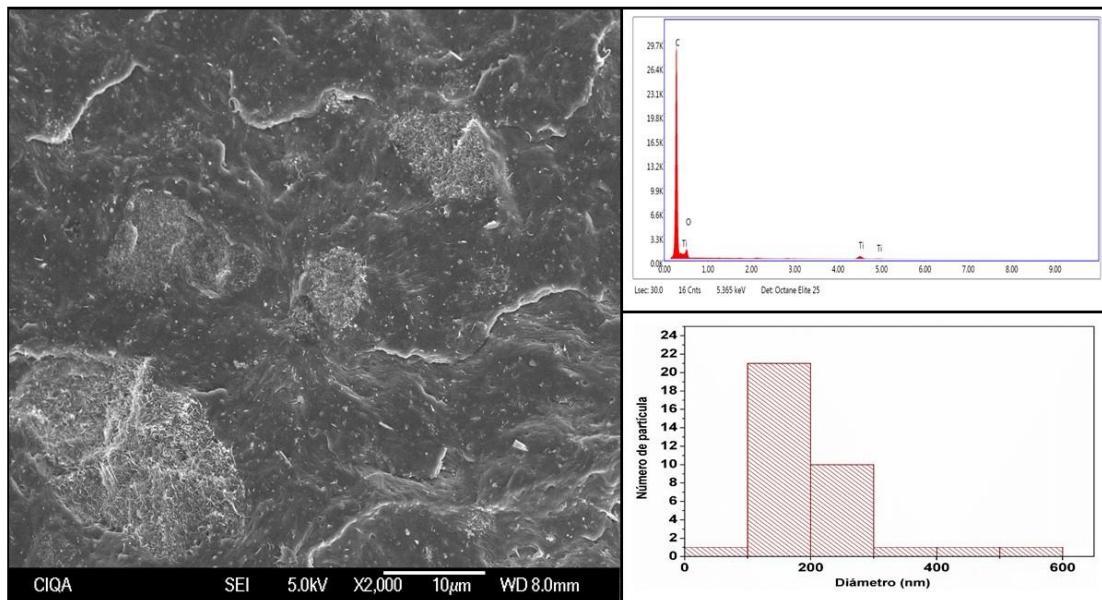


Figure S3. Morphology nanocomposite PP-TiO<sub>2</sub>/CNT-10 analyzed by SEM, histogram of TiO<sub>2</sub> particle.